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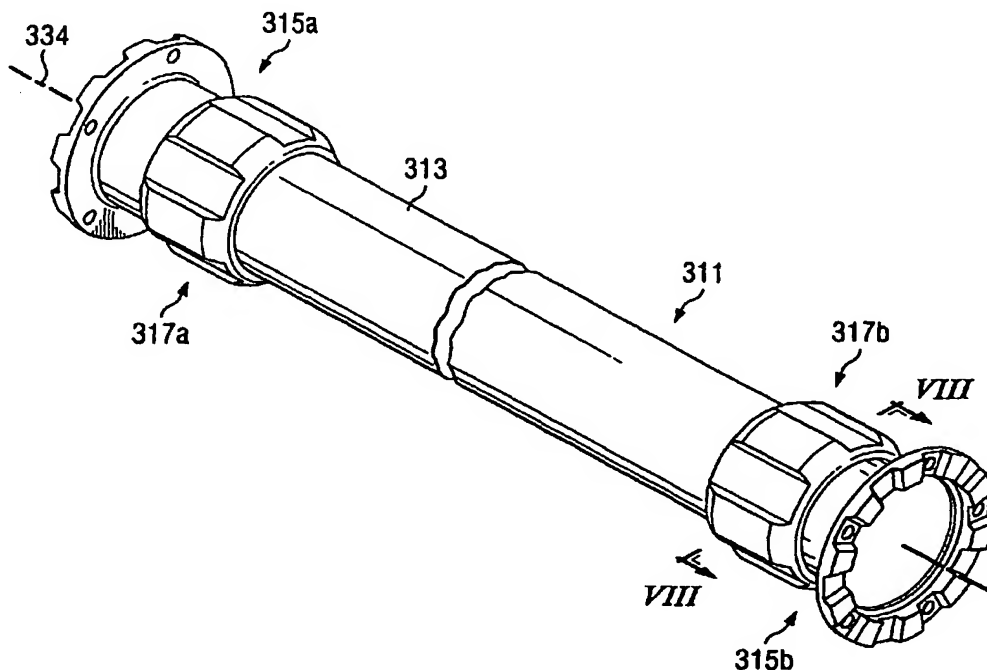
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- (71) Applicant (for all designated States except US): **BELL HELICOPTER TEXTRON INC.** [US/US]; P.O. Box 482, Fort Worth, TX 76101 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **LIN, Sherman, S.** [US/US]; 8109 Shady Oaks Drive, North Richland Hills, TX 76180 (US). **POSTER, Scott, D.** [US/US]; 3801 Bright Meadow Court, Arlington, TX 76016 (US).
- (74) Agents: **WALTON, James, E.** et al.; Law Offices of James E. Walton, PLLC, 1169 N. Burleson Blvd., Suite 107-328, Burleson, TX 76028 (US).
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[Continued on next page]

(54) Title: COMPOSITE DRIVE SHAFT WITH CAPTURED END ADAPTERS



(57) Abstract: A composite drive shaft (311) in which the end adapters (315a, 315b) are captured in the composite material portion during the process of manufacturing the composite drive shaft assembly is disclosed. The end adapters include lugs (329) that protrude outward to transmit torque, tensile and compressive force, and bending moment to the composite material portion and vice versa.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/12423

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B65H 81/00; F16C 3/00
US CL : 464/181,182; 156/160; 403/359.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 464/181,182,183; 156/172,160; 403/359.1,359.2,359.6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,336,986 A (Lêe et al.) 08 January 2002 (08.01.2002), see entire document.	1-22
Y	US 4,561,799 A (Arena) 31 December 1985 (31.12.1985), see entire document.	1-19

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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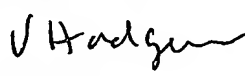
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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

David J Bagnell 
Telephone No. 703 308-2168